TU
378.4961
N 362
Mar. 1962

PN-ARE-388

Nebraska in Turkey

A.I.D.
Reference Center

semiannual report
turkish university
program

october 1, 1961
march 31, 1962

HORACE J. HARPER

(1896-1961)

Dr. Horace J. Harper set out to build a new career upon his arrival at Ataturk University in May, 1961.

His professional standing was already secure. This is evidenced by his fine academic record and long service at Oklahoma State University, by the many responsibilities he had assumed, by his memberships in honorary and professional organizations, and by the scores of scientific publications to his credit.

It would have been easy for Dr. Harper to accept as final his Oklahoma State retirement in 1961. Then he might have settled down in the new home in Stillwater to rest a while and find satisfaction in voluntary activities in the University, community and State.

But this was not in the nature of Horace Harper. We of the Nebraska Group in Turkey were soon aware that Horace could never settle down. He tackled the new job of Soil Scientist at Ataturk University with the vigor and enthusiasm of a new staff member determined to make good.

He put assistants to work on field plots, muckland experiments, irrigation channels, and fertilizer studies. But invariably, Dr. Harper was pointing the way and taking on the hardest jobs. He ranged over eastern Turkey with one or two assistants in the Jeep to study the land and the soil. His soil auger and his spade became trademarks that showed up in so many kodachrome pictures.

With the approach of the 1961-62 school year it was imperative that a soils laboratory be set up for student use and research. And buses had to be chartered for field trips. For Dr. Harper had no intention of permitting anything but the best possible teaching in his soils courses.

There was never a letdown in activity or enthusiasm. Dr. Harper worked all day on November 8, 1961. He did not feel well, but it is perhaps characteristic that he did not call the doctor until 5 o'clock in the afternoon. At six o'clock he was unconscious and passed away almost at once. We have the attending physician's word that death was not the result of over activity nor the altitude, nor any local condition. Instead it was a heart attack together with other complications that would have brought the same result anywhere.

The loss of a colleague and neighbor is always a severe shock--more so when the group is small and far from "home." This death was mourned alike by the American group, the University staff and the student body. The sympathy, respect, and goodwill of the whole community was shown by the memorial service and the crowd at the airport when the U.S. Military plane came in.

No more helpful aid could have been provided anywhere than that given by the several community groups. In particular, much help was given by the Governor of Erzurum province; the generals of the Turkish Military, the Military Hospital doctors, the Commandant of the U.S. Military Unit, and the Rector, Deans, staff and student body of the University.

Prepared by Professor Deane G. Carter

INDEX

	Page
University of Nebraska-AID Contract ..... Jason S. Webster, Coordinator	1
SUMMARY OF CONTRACT AND AMENDMENTS	2
COORDINATOR'S COMMENTS	3
TURKISH PARTICIPANTS	4
Ankara	5
Ataturk	7
PERSONNEL	
Administrative Committee	8
Home Staff	8
University of Nebraska Staff in Turkey	9
REPORT BY DR. MARVEL L. BAKER, Chief Advisor in Turkey	
I. Administrative Comment and Summary	10
II. Personnel	16
III. Participant Program	16
IV. Equipment	18
V. Program at Ankara University	20
VI. Program at Ataturk University	25

UNIVERSITY OF NEBRASKA - AID CONTRACT PROGRAM

In accordance with provisions of Contract No. AID-W-610 Appendix A - Article IV, we submit herewith the semiannual progress report covering the period October 1, 1961 to March 31, 1962.

Jason S. Webster
Coordinator
Univ. of Nebr. Turkish Program

UNIVERSITY OF NEBRASKA-AID CONTRACT

Entered into - March 28, 1955

Amendments - May 3, 1955
June 29, 1955
August 5, 1955
September 19, 1955
March 16, 1956
July 3, 1956
September 22, 1956
January 5, 1957
November 22, 1957

Superseded by New Contract, May 1958 to extend to December 31, 1960.

Amendments - 1. June 1959
2. September 1959
3. June 1960 - Extended contract to June 30, 1962.
4. (Amendment No. 4 extending contract to June 30, 1964 is pending.)

SCOPE: Render technical advice and assistance to Turkey for the purpose of:

1. Creating a New Land-Grant-Type University at Erzurum, Turkey.

2. Training its faculties of Agriculture and supporting fields.

3. Developing and strengthening Ankara University's program in Agriculture, Home Economics and Veterinary Medicine.

Conditions Governing Operations: Services provided in Turkey are an integral part of the United States aid and will be performed under the general policy guidance of the USAID Director; the University of Nebraska will be responsible for all professional and technical details of the contract and shall keep the USAID Director currently informed of the progress of the project.

COORDINATOR'S COMMENTS

by

Jason S. Webster

This report marks the conclusion of seven years of cooperative effort between AID (formerly ICA), the University of Nebraska and the governmental and educational institutions of Turkey. The general scope of this program is indicated on page two. Progress has often appeared to be unnecessarily slow and discouraging, but progress has been made. When "viewing the forest instead of the trees," we can see the physical evidence of a new university at Erzurum. A number of buildings are under construction and the University staff are now living in new apartments on the new site. The first class will be graduated on July 4, 1962. Research and Extension work is being done by Ataturk University. At Ankara University a Home Economics Department has been established and its new building is under construction. The new Extension and Information Department is in operation. Many departments at both universities are modernizing their laboratories. One hundred forty three Turkish participants in our program have received training in the U.S. and forty four members of the Nebraska staff have gained valuable experience in Turkey.

Many other physical and statistical evidences of progress are cited in this report and others are not mentioned, but the greatest accomplishments of a program in education are the intangibles that cannot be measured in buildings, equipment and statistics. In eastern Turkey, fathers will tell their sons how Prof. Alfalfa (as they respectfully referred to Prof. Alexander) went from village to village urging the use of more alfalfa to provide adequate winter feed. They will tell of the great wolf hunters, Prof. and Mrs. Wheeler and Mercedes Ames, who saved the lives of several hundred sheep in the winter of '62 by their successful hunts. Welfare work was done by the Nebraska wives for the orphans at Erzurum and training provided student nurses by Mrs. Fenske. Hundreds of villagers near Ankara received instruction and encouragement from Dr. Morrow and her staff through their visits. Such activities as these, usually far beyond the call of duty, cannot be measured in a progress report, since there is no measurement for brotherly love.

The University of Nebraska is grateful to have a part in this type of foreign aid even though immediate results are sometimes vague and slow in developing, but through which lasting benefits will continue to multiply for posterity.

PARTICIPANTS

To date we have had a total of 143 participants--107 Ankara and 36 Ataturk. At the present time we have 15 Ankara participants and 7 Ataturk participants in the United States under our contract program. Seven former participants are here under assistantships or financed independently.

New Arrivals During Period October 1, 1961 to March 31, 1962

Ankara - three new arrivals

Alpan, Orhan
Pekel, Erdogan
Tigin, Yilmaz

Ataturk - two new arrivals

Turgut Hatunoglu
Kutlu Zoral

Departures During Period October 1, 1961 to March 31, 1962

Ankara - five departed

Gurtunca, Sukru
Karaca, Ibrahim
Kendir, Saim
Oncu, Cahit
Seckin, Refet

Ankara - one transferred from AID Sponsorship

Erturk, Kamuran

Ataturk - two departed

Alkan, Ziya
Kurt, Ahmet

Extensions granted during period October 1, 1961 to March 31, 1962

Ankara - two

Dr. Mustafa Isikan's program extended for approximately 10 months under the sponsorship of the University of Nebraska.

Dr. Hamza Keskintepe's program extended for approximately 10 months under the sponsorship of the University of Nebraska.

Ataturk - one

Dr. Omer Baykan's period of study under our program has been extended until August 23, 1962.

Ankara Participants in the United States Under Our Program on March 31, 1962

Name	Field of Interest	Location	Date of Arrival	Termination of Program
Akpinar, Cemalettin	Poult.Phys.	Univ. of Md. College Park, Md.	Aug. 1, 1961	July 31, 1962
Alpan, Orhan	An. Breed.	Univ. of Nebr.	Jan. 22, 1962	Jan. 21, 1963
Ayyildiz, Mustafa	Ag. Engr.	Univ. of Calif. Riverside, Calif.	Aug. 25, 1960	June 30, 1962
Balaban, Ali[1]	Ag. Engr.	Univ. of Nebr.	Sept. 16, 1959	Sept. 1, 1962
Dogan, Refika[2]	Home Ec.	Univ. of Nebr.	Feb. 1, 1958	Feb. 1, 1960
Ersoz, Nezihi[3]	Vet. Sci.	Mich. St. Univ. E. Lansing, Mich.	Aug. 16, 1960	Aug. 15, 1962
Erturk, Kamuran[4]	Vet. Sci.	Ore. St. Univ. Corvallis, Ore.	March 30, 1961	March 29, 1962
Finci, Kadri	Vet. Sci.	Okla. St. Univ. Stillwater, Okla.	Sept. 5, 1961	June 23, 1962
Gurcan, Abdullah	Plant Sci.	Univ. of Nebr.	Aug. 31, 1961	Aug. 30, 1962
Isikan, Mustafa[5]	Pl. Breed.	Univ. of Nebr.	May 31, 1961	May 30, 1962
Kacar, Burhan[6]	Agronomy	Univ. of Nebr.	Aug. 25, 1960	Aug. 24, 1962
Keskintepe, Hamza[7]	Vet. Bact.	Univ. of Ky. Lexington, Ky.	Aug. 28, 1961	June 27, 1962
Kural, Orhan	Ag. Ext. & Information	Univ. of Wisc. Madison, Wisc.	Aug. 28, 1961	Aug. 27, 1962
Mulayim, Z. G.	Ag. Econ.	Harvard Univ. Cambridge, Mass.	Aug. 22, 1961	Aug. 21, 1962
Ogus, Nevzat	Vet. Pharm.	Univ. of Wisc. Madison, Wisc.	Aug. 22, 1961	June 23, 1962
Oztan, Yuksel	Landscape Architecture	Univ. of Calif. Berkeley, Calif.	June 2, 1961	June 1, 1962
Pekel, Erdogan	An. Breed.	Cornell Univ. Ithaca, New York	Jan. 22, 1962	Jan. 21, 1963
Sayin, Fahri[8]	Insect. Paras.	Univ. of Utah Logan, Utah	Aug. 25, 1960	Aug. 24, 1962
Senel, Servet[9]	An. Nutr.	Univ. of Nebr.	Aug. 31, 1961	Aug. 30, 1962

Ankara Participants (Continued)

Name	Field of Interest	Location	Date of Arrival	Termination of Program
Senturk, Ramazon[9]	Bio-Chem.& Nutr.	Univ. of Wisc. Madison, Wisc.	Aug. 25, 1961	Aug. 24, 1962
Tekeli, Sait[10]	Vet. Path.	Univ. of Wisc.	Jan. 20, 1960	Jan. 19, 1962
Tigin, Yilmaz	Vet. Paras.	Univ. of Nebr.	Jan. 28, 1962	Jan. 27, 1963

[1]Ali Balaban will be under the sponsorship of the Ag. Engr. Dept., University of Nebraska, from August 1, 1961 - August 1, 1962. He will be under the Univ. of Nebr.-AID Contract Program from Aug. 1, 1962.

[2]Refika Dogan is studying at the University of Nebraska and is independently financed.

[3]Nezihi Ersoz will be under the sponsorship of Michigan State University from August 1, 1961 - August 15, 1962.

[4]Kamuran Erturk will be under the sponsorship of Oregon State College after March 20, 1962. Her program has been extended until August 31, 1962.

[5]Mustafa Isikan will be under the sponsorship of the Agronomy Department, University of Nebraska, for approximately 10 months.

[6]Burhan Kacar will be under the sponsorship of the Department of Agronomy, University of Nebraska for approximately twelve months.

[7]Hamza Keskintepe will be under the sponsorship of the Department of Veterinary Science, University of Nebraska, for approximately 10 months.

[8]Fahri Sayin will be under the sponsorship of Utah State University for one year.

[9]Servet Senel and Ramazon Senturk's programs call for work leading to Ph.D. Degrees. At the end of their first year of study, the programs will be evaluated and their time extended if satisfactory progress has been made.

[10]Sait Tekeli will be under the sponsorship of the University of Wisconsin until January 19, 1964.

Ataturk Participants in the United States Under Our Program on March 31, 1962

Name	Field of Interest	Location	Date of Arrival	Termination of Program
Aksoy, Necati	Soil Sci.	Univ. of Nebr.	Jan. 27, 1961	Jan. 26, 1963
Baykan, Omer[1]	Soil Sci.	Univ. of Wisc. Madison, Wisc.	Sept. 7, 1962	Aug. 23, 1962
Dogan, Kamuran	Dairy Tech.	Univ. of Nebr.	Jan. 24, 1961	Jan. 23, 1963
Firater, Nezihe	Dairy Tech.	Univ. of Nebr.	Jan. 24, 1961	Jan. 23, 1963
Gullap, Talat	Economics	Univ. of Nebr.	Jan. 27, 1961	Jan. 26, 1963
Hatunoglu, Turgut	Ag. Econ.	Montana St.Col.	Feb. 12, 1962	Aug. 11, 1963
Zoral, Kutlu	Ag. Econ.	Montana St.Col. Bozeman, Montana	March 8, 1962	Sept. 7, 1963

[1]Omer Baykan's period of study under our program has been extended until August 23, 1962. (Mr. Baykan was a participant under our program from 1957-1959 and received his M.S. Degree from Pennsylvania State University.)

UNIVERSITY OF NEBRASKA-AID CONTRACT TURKISH PROGRAM
PERSONNEL

ADMINISTRATIVE COMMITTEE

Chairman.....Dr. E. F. Frolik, Dean
College of Agriculture

Secretary.....Jason S. Webster, Coordinator
Univ. of Nebr. Turkish
Program

Members:

Albin T. Anderson
E. C. Conard
Otto G. Hoiberg
G. A. Young

HOME STAFF

Coordinator.....Jason S. Webster

Secretaries.....Frances Lawritson
Mary Peo

Finance Officer.....Ruth Swanson

Home Office: 104 Ag. Admn. Annex
College of Agriculture
University of Nebraska
Lincoln, Nebraska

PERSONNEL
UNIVERSITY OF NEBRASKA STAFF IN TURKEY

During Period October 1, 1961 to March 31, 1962

Name	Position	Period of Assignment From	To
ALEXANDER, M. A.	Animal Husbandry Specialist--Ataturk Univ.	Sept. 15, 1959	Oct. 1963*
ALLEN, Harold L.	Extension and Information Specialist--Ankara Univ. Associate Chief of Staff Appointed Nov. 1, 1959	Sept. 17, 1956	June 1963
AMES, Mercedes	Secretary - Ataturk Univ.	Sept. 5, 1961	Sept. 15, 1963
BAKER, Marvel L.	Chief of Staff	Oct. 1, 1960	Oct. 8, 1962
CARTER, Deane	Ag. Engr. Specialist and Ataturk Univ. Adviser-- Appointed Nov. 10, 1960	Sept. 6, 1960	Sept. 21, 1962
FENSKE, Leo J.	Farm Management Specialist-- Ataturk University	Sept. 22, 1960	Nov. 1964*
MORROW, Evelyn	Home Economist-- Ankara Univ.	Jan. 1, 1959	June 1963
McCULLOUGH, Sally	Administrative Secretary Ankara University	Nov. 29, 1960	Nov. 28, 1962
SWANSTROM, Wylene	Secretary - Ankara Univ.	July 5, 1961	July 18, 1963
WHEELER, Ernest J.	Crops Specialist Ataturk University	Sept. 6, 1960	Feb. 1964*
WINTER, John M.	Botanist, Ataturk Univ.	May 22, 1961	June 3, 1963

*These dates are unconfirmed.

REPORT

by

Dr. Marvel L. Baker

I.

Administrative Comment and Summary

As in the past the morale of the Nebraska Group was excellent and support from the staff was all that could be hoped for. The secretaries, Miss McCullough, Miss Swanstrom and Miss Ames, continued their effective service as well as rendering useful community and "extra-curricular" services.

As in the past Mr. Allen, in addition to his subject matter responsibilities, rendered invaluable services as Associate Director. It would be impossible to enumerate the many responsibilities carried by Professor Carter in addition to his subject matter responsibilities.

It is not possible to enumerate the many worthwhile activities in which the wives of the Nebraska Group engage. It probably is not improper, however, to mention the voluntary instruction for nurses at one of the Erzurum hospitals being given by Mrs. Leo J. Fenske. Mrs. Fenske is a registered nurse and her help apparently is greatly appreciated.

A. Ataturk University

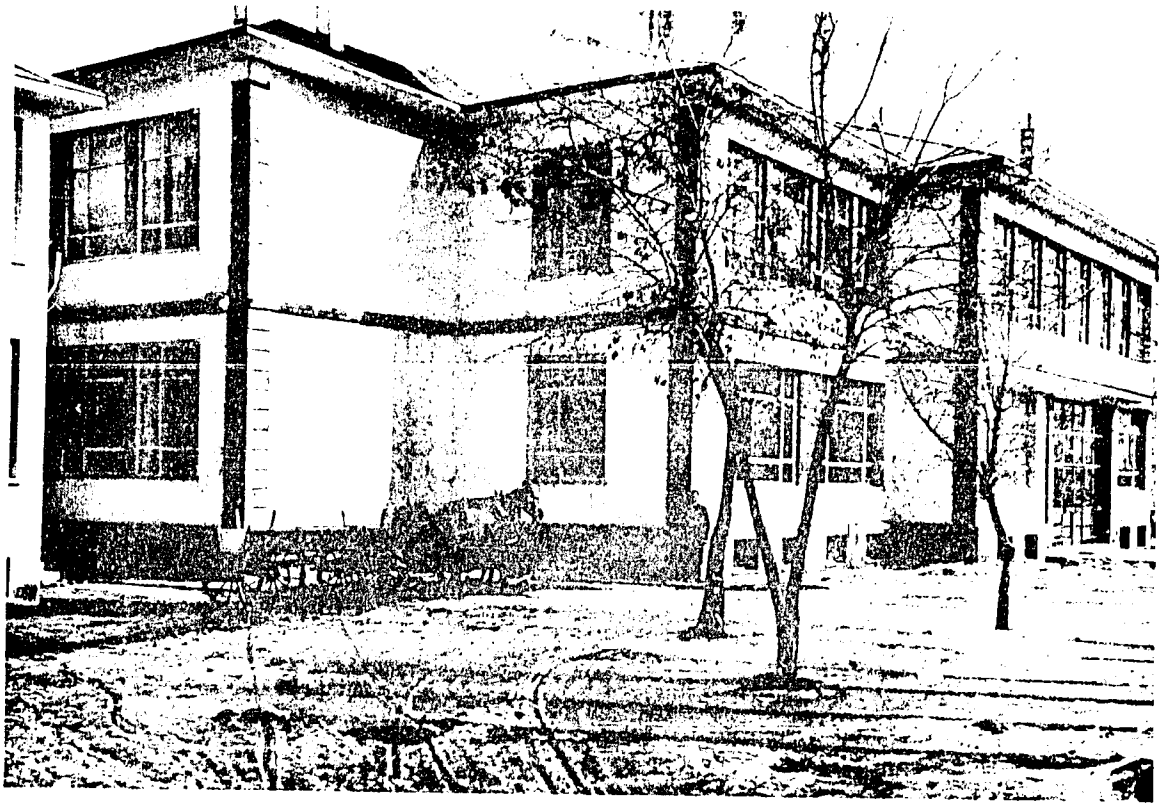
The comments on Ataturk Univ. and progress toward its development should be considered against the difficulties inherent in developing a University according to the concepts under which the University of Nebraska undertook the task and in an environment in which the philosophy underlying such a university was so little understood.

Ataturk University opened its fourth year officially October 9. One hundred fifty-nine (159) new students were admitted. Of these, 130 men and 6 women were in Agriculture and 21 men and 2 women in Letters and Science. The number of students admitted for the three preceding years was respectively 119, 76, and 104.

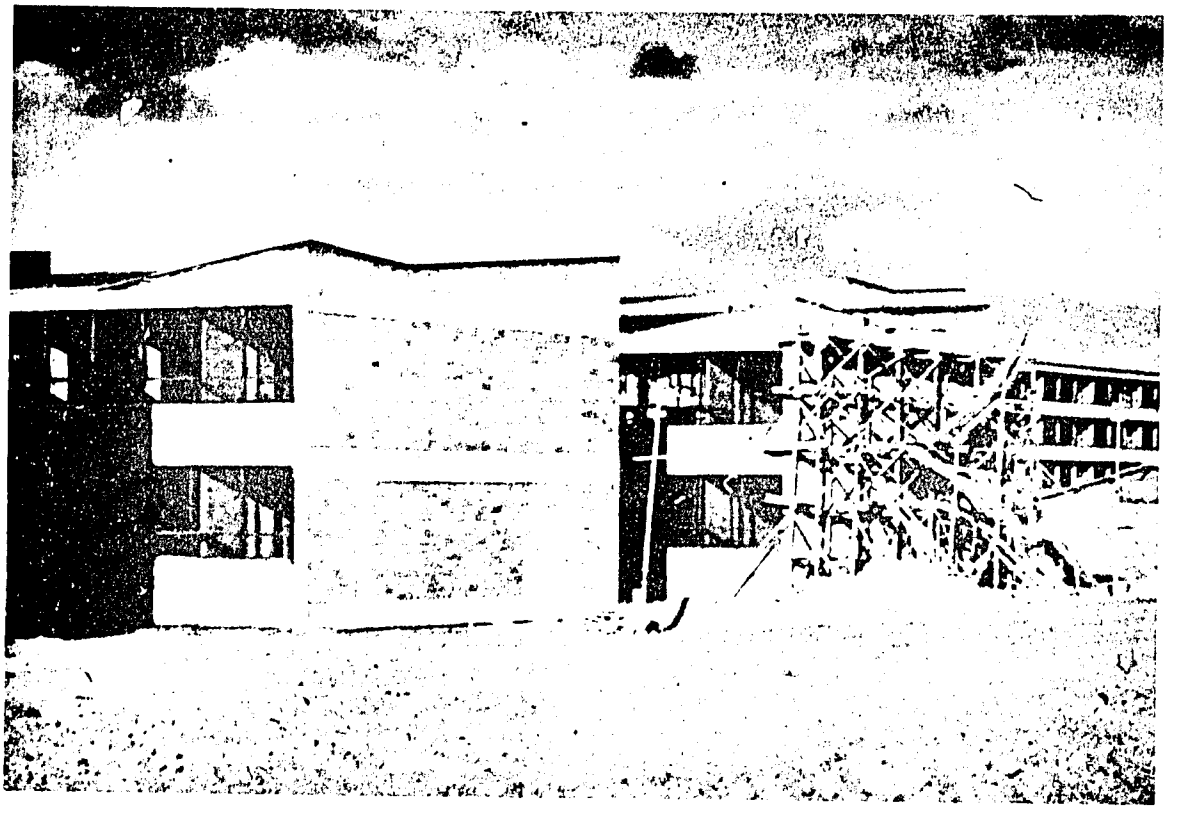
Professor Dr. Eyub Hizalan of the Soils Science staff of Ankara University was appointed Rector early in December 1961. He arrived in Erzurum the evening of December 15, accompanied by his wife and family. He is the first Rector to move his family to Erzurum. Rector Hizalan was a participant under our program at the University of Nebraska.

In company with Mr. Allen, I discussed at length with Rector Hizalan, problems concerning Ataturk University. This was on December 1. Then, on December 16, Professor Carter and I spent some hours with him on the same subject.

The eighth semester of Ataturk University began on March 13, 1962, thus beginning the last semester of the initial four academic years of the University. If we choose to weigh accomplishments against conditions under which they have been realized, they are indeed, considerable. On the other hand, they fall far short of the ideal, or even of what one could reasonably have hoped to accomplish as he looked forward in 1957 or even in 1958. The reasons for the discrepancies



PRESENT ATATURK UNIVERSITY



FUTURE ATATURK UNIVERSITY

when accomplishments are considered from the two viewpoints, have been outlined in previous report or are inherent in the general conditions which have obtained during the past several years. Let us look at some of the conditions during the past period and to some of the developments.

1. The University has been under the administration of Professor Dr. Eyub Hizalan who assumed the responsibilities as Rector on December 15, 1961. This short period is of insufficient length to establish one's reputation in a position as demanding as that of Rector at a new university under process of development in an environment basically as difficult as that which influences Ataturk University. This is especially the case when one considers the lack of stability of administration and the wavering and uncertain efforts toward the development of a functioning administration which had obtained during much of the four years preceding Rector Hizalan's advent upon the scene. However, the new Rector has identified himself closely with Ataturk University. He has indicated a strong interest in familiarizing himself with the philosophy underlying the interest of the Nebraska Group in the development of Ataturk University and seems committed to the development of a functional and functioning administrative structure for Ataturk University, a matter which has received little consideration heretofore. With the backlog of accumulated problems which awaited Rector Hizalan upon his arrival, it is not surprising that not all of them have been solved. Only time will disclose his eventual success in coping with the colossal task which is his.

2. Ataturk University now has the services of 21 Turkish staff members who have had some education or experience in the United States under the University of Nebraska program. Two others are completing second assignments for advanced study in the United States preparatory to returning to Ataturk University in time for the fall semester in 1962. Six others are now in the United States and two are in the Turkish Army. At present these personnel include the Rector, the Acting General Secretary, the Director of the Agricultural Research Institute, the Acting Head of the Soil Science Department and the Acting Director of the Agricultural Research Institute. They include one professor, four docents and eleven Doctor Assistants (two received their doctorates this period and there are now six Doctor Assistants who are well advanced toward obtaining their promotions as Docents.

   In addition, there are a number of Assistants who have worked for varying periods with the professors from the Nebraska Group and whose services, along with those of the returned Participants have been and are invaluable in developing and conducting the teaching and research programs at Ataturk University.

   Understandably many, indeed most of them, lack experience, the development of which must necessarily await the passage of time.

3. Numerous conferences were held with the Rector, General Secretary and others. These serve to clarify many issues and contribute to the slow but more or less consistent development of the University.

4. Definite steps have been taken which should permit the organization of the University as a functioning entity by the fall of 1963 and relieve it to a large extent from dependence upon persons outside of the University itself for decisions which are a necessary part of satisfactory university operation.

5. Some improvement was made in the operating procedures within the University. A detailed plan for the pre-registration of students, together with proposed forms for enrollment, was prepared. The semester schedule and final examination schedules were prepared in advance and adhered to rather closely.

   A program committee and major advisers were designated. The business and accounting officers, treasurer's office, clerks and stenographers were provided with more adequate space. The Rector approved plans for a "University Stores" area where equipment and supplies may be kept and distributed in an orderly manner.

6. Both the Rector and the General Secretary took steps to reduce the vast amount of detail which heretofore has been handled in their offices, by beginning the development of an administrative structure with the delegation and fixing responsibility for some activities to subordinates.

7. Two 24-apartment faculty housing buildings on the new campus were occupied during this period. This made it possible for the University to develop a social-recreation area in the Ornek Palas Hotel and to provide more adequate housing for unmarried staff members.

   The relatively low rent charged for the new apartments should be an important factor in attracting new staff members and in retaining staff members.

   A bachelor apartment housing unit on the new campus for unmarried staff members should be completed within the near future.

8. Delivery to Erzurum was completed on the equipment and commodities purchased under Defense Support Funds. The last of these should be cleared through customs soon.

9. Unfinished business and problems -- Despite the considerable developments outlined in the preceding sections, certain disturbing aspects should be noted. It is important that these not be overemphasized; it is equally important that they be kept in mind and that solutions be pressed for vigorously. It is, of course, important that long-range planning be stressed; it also is important to realize that long-range objectives cannot be realized unless immediate problems are considered and resolved. It is much easier to obtain consideration of plans for some years hence than for meeting problems of today or next week. Examples are noted as follows:

   a. Although limited progress has been made in development operating procedures, far too much responsibility for operating decisions still rests with the Rector. It is, therefore, difficult or impossible, all too frequently, to obtain action when needed.

   b. The completion of academic space under construction is vital to a successful 1962-63 program for the University. The failure to expedite construction, especially on the Science Laboratory building and to make this building available for university use has handicapped university operations greatly. Every effort possible should be made to expedite the entire building program. However, the completion of this building should have top priority.

c. The teaching program is far below the level it should be at this stage of development. There is insufficient attention given the needs of the student. In each of the four years, lack of instructors has caused classes to lose credits which should have been earned. This is not due to failure to use qualified personnel who are presently at Ataturk University. It is due to failure to take cognizance of future needs and to obtain the necessary personnel. It must be admitted that in many, or even in most, cases, such personnel do not exist. Attempts to cope with this situation by bringing in people for short periods and for accelerated courses usually prove to be more disruptive than helpful.

d. The development of Science departments vital to the proper functioning of teaching and research in a 20th Century university has lagged badly. It is believed that Rector Hizalan recognizes the importance of development in this area and that such development may now be given impetus. The prompt completion of the Science Laboratory building will not insure such development but would facilitate it greatly. In fact, this building is essential to such development.

e. It must be stated that in my opinion, subscribed to I am sure by other members of the Nebraska Group, the development in "Letters" up to the present time bears little relation to the needs of the university for this area nor does it offer much evidence of awareness on the part of the "Letters" Group to either its possibilities or responsibilities in the cultural, social and economic development of the country. This is not a blanket indictment of personnel in this area. It is rather to point out that some of the relatively young but apparently capable young members of the Group have not had proper understanding, support, encouragement and guidance.

f. Suitable regulations for the two Faculties and for the University have not been developed. There is some reason to hope that by next fall this can be remedied to a considerable extent.

g. There is a compelling need for a greatly improved sense of student responsibility and for greatly improved student discipline. This should, of course, preferably be self-discipline. If this cannot be developed to a greater extent than evidenced in the past, suitable regulations for student conduct and student affairs should be developed and enforced. Their mere development and statement clearly and concisely should go far toward resolving the problem.

h. The development of suitable regulations governing graduate study, the Extension Service, business operations, etc., should be pushed vigorously.

i. It should be kept in mind that there are many built-in restrictions of law, regulations, administrative regulations, and social and cultural concepts which impede the development of an institution such as Ataturk University. A considerable amount of understanding and patience is prerequisite to progress, but constant work plus some pressure and considerable education also is essential.

B. Ankara University

The work at Ankara University may be briefly summarized.

1. The normal departmental activities in teaching and research were continued under the guidance of Mr. Allen and Dr. Morrow.

2. Some progress in the development of future programs for the two departments (Extension and Information and Home Economics) was made.

3. Progress in the development of staff for the two departments was made.

4. Construction of the new Home Economics building designed to provide physical facilities for Home Economics and for Extension and Information for a time proceeded reasonably well.

5. Both Mr. Allen and Professor Morrow continued to cooperate actively with AID and with various Turkish agencies in work related to their respective fields.

C. General Comment

1. Professor George S. Round made an official visit to Turkey as the representative of the University of Nebraska. He was in Turkey from October 7 to 20. During this time, he visited Ataturk University from October 15 to 17. He was accompanied by Mr. Lloyd Peterson who obtained moving pictures of some of the activities in connection with the Nebraska program. Selections from these will be used in connection with the observance of the Centennial of the Land Grant Universities.

   The Allens and the Bakers gave a reception for Professor Round and Mr. Peterson. This gave them an opportunity to meet a large number of Turks and Americans with whom the Nebraska Group works.

2. On December 8, 1961, a tea sponsored by Messers. Allen and Baker, was held at the Faculty of Agriculture, Ankara University. This was given to honor the 70 participants from the Faculties of Agriculture and Veterinary Science who have completed their programs in the United States and returned to the University. At the tea, Director Stuart H. Van Dyke, AID/Turkey, presented Certificates of Participation to eight participants who had returned recently from the United States. Other guests at the tea included AID personnel from the Agriculture, Education and Program Training Divisions; Mr. Bullock, Senior Staff Consultant, Robert Brandt and Harry Cromer, investigating staff consultants of the House Foreign Affairs Committee; and professors and docents from the two Faculties. The tea gave the members of the two Faculties and American personnel an opportunity to meet and to discuss common problems and interests.

   On December 6 at Ataturk University, Certificates of Participation were presented to participants who had recently returned to Ataturk University from the United States. Professors Baker and Carter and Dean Ulkumen of the Faculty of Agriculture participated in the brief program. The program received very good coverage in the Erzurum press.

II.

Personnel

A. Deaths

The Nebraska Group experienced its first loss by death with the death of Professor Horace J. Harper at about 18:30 hours, November 8, 1961. The cause was ascribed officially to coronary thrombosis. Professor Harper had worked throughout the day and had returned home a short time before his death.

The Nebraska Group had the fullest cooperation from Turkish and American personnel and agencies, both civilian and military, and at both Erzurum and Ankara. Mr. Walter Pedersen of Pan-American rendered effective help.

Professor Harper's body was brought from Erzurum to Ankara by American military plane on November 10 and two days later was sent by Pan American from Ankara to Stillwater, Oklahoma, for burial.

Mrs. Harper also left Ankara on November 12 to return to Oklahoma.

B. Termination of Assignment

Mr. Robert A. Souchek terminated his assignment as secretary for the Group at Erzurum and left Ankara for his return to the United States on October 13, 1961.

C. Home Leave

Professor and Mrs. Martin A. Alexander arrived in Ankara October 2, 1961, from Home Leave.

Mrs. Ernest J. Wheeler left Erzurum during the period expecting to travel extensively in the Middle East and in Europe or to be in the United States for five or six months.

III.

Participant Program

A. Ataturk University

1. The following participants were in the United States for the full period:

Kamuran Dogan (Dairy Technology)
Nezihe Firater (Dairy Technology)
Necati Aksoy (Soil Science)
Tallat Gullap (Economics)
Dr. Omer Baykan (Soil Science)
Dr. Ahmet Kurt (Dairy Technology)

2. Two participants departed for the United States. They were:

Turgut Hatunoglu (Agricultural Economics)
Kutlu Zoral (Agricultural Economics)

3. During the period, Ziya Alkan, Osman Arikan, Mehmet Oner and Lutfi Ogus reported at Ataturk University.

Dr. Ibrahim Aksoz also reported at Ataturk University to assist with teaching in Agricultural Economics.

Dr. Ibrahim Karaca (Plant Pathology) completed his participant's program in the United States and returned to Turkey.

4. Dr. Saip Tellioglu returned to Ataturk University from Georgetown Language School.

5. Two former participants obtained their doctor's degrees:

Haluk Ipek (Animal Science, Professor Alexander)
Mehmet Oner (Botany, Professor Winter)

6. Two former participants who had been doing work toward their doctorates in Ankara returned to Ataturk University:

Ziya Alkan (Agricultural Engineering)
Lutfi Ogus (Soil Science)

7. Assistant Neriman Gorgunay and Assistant Birsen Okan spent some time at Ankara University working with Dr. Morrow in Home Economics.

B. Ankara University

1. Three participants from Ankara University departed for the United States during the period:

Dr. Erdogan Pekel (Agriculture)
Dr. Orhan Alpan (Veterinary Science)
Dr. Yilmaz Tigin (Veterinary Science)

2. An extension of five months was arranged for Dr. Kamuran Erturk of the Faculty of Veterinary Science. This is financed outside the Nebraska program.

An extension of two years was granted Dr. Sait Tekeli of the Faculty of Veterinary Science. Dr. Tekeli received an assistantship from the University of Wisconsin for this extended period of study.

Extensions of approximately 10 months each were requested for two participants, now in the United States:

Dr. Mustafa Isikan (Agriculture)
Dr. Hamza Keskintepe (Veterinary Science)

If approved by the respective Faculties, both extensions will be financed outside the Nebraska Program. Both men have been offered assistantships by the University of Nebraska.

3. Three Faculty of Veterinary Science Senior Staff Members were nominated to go to the United States as Participants for periods of four months each during the summer months of 1962. They are:

Professor Dr. Mihri Mimioglu
Professor Dr. Yasar Altan
Docent Dr. Selim Tolkun

4. Two Faculty of Agriculture staff members were nominated to go to the United States as Participants. They were:

Dr. Kemal Kaptan, Assistant in Extension
Dr. Sevim Guney, Assistant in Home Economics

5. Two Ankara University Participants returned to Turkey after completing their programs in the United States. They were:

Dr. Refet Seckin, Faculty of Agriculture
Dr. Sukru Gurtunca, Faculty of Veterinary Science

IV.

Equipment

A. Ataturk University

1. Equipment Purchased Under Defense Support Funds.

We were advised that during this period the last three shipments of commodities purchased from Defense Support Funds were shipped to Erzurum and have been received there. It is anticipated that these shipments will be cleared through Customs soon. This will complete the receipt of commodities purchased from Defense Support Funds.

2. Equipment Purchased from Nebraska Contract Funds

(a) We have been advised that Order No. 6 has been shipped to Erzurum and should be cleared through Customs soon.

(b) During the period, bills of lading for Order No. 26 were received. These, together with other necessary documents were forwarded to Ataturk University under date of 20 November, 1961, for appropriate action. The bills of lading were No. 8 dated October 16, 1961, shipped from New York on or about October 18, 1961; No. 48 dated November 4, 1961, shipped from New York on or about November 8, 1961. It is possible that this order was shipped from Istanbul with the commodities referred to above.

c. Orders placed during the past several months have been for commodities generally in small amounts for the direct support of the work of the University of Nebraska staff. A number of these were received during the period. Nebraska order numbers for reference were 32, 33, 34, 35, 37, 39, 40, 41, 42 and part of 43.

d. If at all possible, a complete summary of orders placed under Nebraska Contract Funds for Ataturk University will be prepared for AID within the near future.

B. Ankara University

1. Equipment Received

Seven (7) shipments of equipment and materials were received by Ankara University as follows:

a. Bill of Lading No. 160 dated May 9, 1961, by the Faculty of Veterinary Science.

b. Bill of Lading No. 91, dated March 23, 1961, by the Faculty of Agriculture.

c. Bill of Lading No. 167, dated May 9, 1961, by the Faculty of Agriculture. Two cases were missing from this shipment, and steps were taken to locate the missing items. The shipment arrived in late December, so the insurance claim on the missing equipment has been settled. The University of Nebraska has been instructed to re-order the missing items.

d. Bill of Lading No. 167, dated June 23, 1961, by the Faculty of Veterinary Science.

e. Bill of Lading No. 106, dated January 31, 1961, by the Faculty of Veterinary Science.

f. Bill of Lading No. 192, dated August 29, 1961, by the Faculty of Veterinary Science.

g. Bill of Lading No. 233, dated June 23, 1961, by the Faculty of Agriculture.

A part of the latter shipment was not received. The U.S. Supplier (Fisher Scientific Company) omitted several items which were listed on the invoice, and had shipped them by other means. Some were sent parcel post and others through a forwarding agent not used by the University of Nebraska. Those sent by parcel post have not been received by the Faculty of Agriculture and no record of any shipping documents exists. Considerable time has been spent in attempting to locate the missing items.

2. Other Shipments in Customs

Two (2) other shipments made in 1961 are still in Customs. They are:

a. Bill of Lading No. 193, dated June 23, 1961.
b. Bill of Lading No. 24, dated October 16, 1961.

Both shipments are consigned to the Faculty of Agriculture. The Faculty reports that steps are being taken to clear these shipments through Customs.

3. New Requests for Equipment

The Home Economics lists were reviewed and work began on the preparation of the final equipment lists. It is anticipated that a majority of the equipment will be ordered in April, 1962.

4. Home Economics Building

By early December, T.L. 2,775,000 had been released for the building. An additional T.L. 400,000 is provided in the Turkish Fiscal Year 1962 budget, which becomes effective March 1, 1962. After extensive conferences with AID, Faculty, Contractor and O.I.E.C. personnel, it was decided to attempt to get the required T.L. 825,000 released by an amentment to the Project Agreement before the close of TFY 1961. If the Faculty is successful in getting the funds, adequate funds to complete the building will be assured. If the funds are not provided in this manner, it undoubtedly will be difficult to secure the funds in TFY 1962 since all counterpart funds for continuing projects must be channeled through the Turkish Budget, and the budget has already been approved providing only T.L. 400,000 for the building.

During the first part of the period, construction of the Home Economics Building at the Faculty of Agriculture, Ankara University, proceeded on or ahead of schedule. During the period, however, it became apparent that a total of T.L. 4,000,000 would be required to complete the building. It is understood that USAID/Turkey approved this.

Apparently construction on the building slowed down during the last part of the period and the completion of the building as scheduled is doubtful. It is hoped that it will be completed in advance of the opening of the fall semester 1962-63.

V.

The Program at Ankara University

A. Extension and Information Specialist

Mr. Harold L. Allen, Extension and Information Specialist, continued to advise and assist with the developments and functions of the Department of Extension and

Information and to cooperate with Food and Agriculture/AID and the Ministry of Agriculture in other Extension activities. This involvement included, but was not necessarily limited, to the following:

1. Course Work

The course in Extension Philosophy, Organization, Programs and Methods for 250 senior students of the Faculty of Agriculture continued. Mr. Davut Aris, who had been assisting with the course, was transferred to Antalya on January 1, 1962. Assistant Ahmet Baykurt thus had a heavier load in connection with the course. The first semester ended January 31 and the second semester started in March. Arrangements were made with AID for the Communications Media staff to present some special training in communications during the second semester.

2. Assistants

Doctor Assistant Orhan Kural continued his work at the University of Wisconsin as a participant under the University of Nebraska program. He completed four courses for credit the first semester with a B average.

Assistant Ahmet Baykurt continued to do yeoman service. He has been extremely overworked due to the shortage of staff but has done reasonably well considering his background, experience and limited knowledge of English.

At the end of the period, Dr. Assistant Kemal Kaptan transferred to the Department of Extension and Information from the Department of Agricultural Economics.

It is planned to send Dr. Kaptan to the United States as a participant this fall. In the meantime, it is expected that he will improve his English and obtain some field experience in Extension with the Turkish Extension Service.

3. Extension Institute

Professor Dr. Cemal Calguner, Chairman of the Department, presented a proposal for the establishment of an Extension Institute at the Faculty of Agriculture to the Faculty's Council of Professors, with a proposed staffing plan and plan of activities for the Institute. The proposal is under study.

4. Publications

Research summaries in English were reviewed and edited for staff members from the Departments of Agronomy, Industrial Crops, Animal Husbandry, Horticulture, Food Technology, Veterinary Parisitology and Helminthology, and Veterinary History of the Faculties of Agriculture and Veterinary Science.

Materials were mimeographed for the Departments of Extension and Information, Agricultural Economics, Horticulture and Food Technology.

5. Extension Training Courses

Mr. Allen assisted in the two one-week training courses in Extension held in Ankara for teachers from the Technical and Regional Agricultural Schools. The

courses were sponsored by the Ministry of Agriculture and USAID/Turkey. Mr. Allen presented material on the following subjects: How Ideas Are Communicated; How Farm People Accept New Ideas; What Is Program Planning; Organization Necessary for Program Planning; How the Program Is Prepared; and How the Plan of Work Is Prepared.

6. Field Trips

a. Approximately two weeks were spent in Erzurum assisting in establishing a course in Agricultural Extension at Ataturk University. Mr. Davut Aris of the Ministry of Agriculture assisted Mr. Allen. During the two weeks the senior students in the Faculty of Agriculture received approximately 10 hours of instruction in Extension Philosophy, Organization Methods and Programs.

b. Two days were spent training teachers at the Halkali Regional Agricultural School near Istanbul. The teachers were given training on How Ideas are Communicated, How Farm People Accept New Ideas, and the Organization and Procedures of program planning on the local and county levels. All of the Ministry of Agriculture's Regional and Technical Schools are expanding their training in Agricultural Extension, and it is, therefore, necessary to provide training for the school teachers.

7. Special Report

A special report on the functions of a combined Department of Agricultural Policy and Extension was prepared for Professor Dr. Cemil Calguner of the Faculty of Agriculture. He is currently Professor of Agricultural Policy and Acting Chairman of the Department of Extension and Information.

8. Plan of Work Requested

The Faculty of Agriculture was asked to prepare and submit to the University of Nebraska Group a detailed plan of operation listing the goals and activities of the Department of Extension and Information to be completed by June 30, 1963. It was pointed out that the assistance of an Extension Specialist will necessarily terminate on June 30, 1963, and that such a plan of operation would be of great value to the Specialist in making the best use of his remaining time in Turkey. At the close of the period, the report had not been received.

B. Home Economics Specialist

Professor Evelyn Morrow continued to advise and assist with development and conduct of the program in Home Economics.

1. Course Work

The Home Economics major was opened the first semester, 1961-1962. From our standpoint, provisions covering the major are not entirely satisfactory. Attempts will be made to improve the situation.

The Home Economics staff is conducting one regularly scheduled course, involving both course and laboratory work during the current semester. The staff also provides consultation time each week for the Home Economics majors as well as for the regular course students.

(a) Dr. Assistants Ayse Erkut and Suat Kundak were involved in the entire departmental program. Dr. Suat Kundak and Dr. Ayse Erkut have completed translations of their Master's Degree theses and expect to publish them. Both of them are preparing their Doctoral theses for publication.

(b) Assistant Sevim Guney completed her work for the doctorate. It is planned to send her to the United States as a participant in the fall of 1962.

(c) Assistance was given to assistants from Ataturk and Ege Universities.

1. Professor Morrow advised Ayla Bagkurt, Home Economics Assistant at Ege University, to develop plans for her doctoral research project on "Comparative Study of Family Expenditures of Turkish and Refugee Factory Workers in Bornova." Dr. Assistant Kundak will assume major responsibilities in this research.

2. Birsen Okan, Home Economics Assistant at Ataturk University, spent most of January working with Professor Morrow in developing plans for her research project dealing with the nutritional status of primary children, ages 7-9. Dr. Assistant Erkut has been given major responsibility in setting up the study. Assistant Okan completed her literature review, set up the plan of study, drafted the schedule to be used, and worked out methods of collecting data. The schedule was pre-tested in a nearby village school by Assistant Okan, Dr. Assistant Erkut, and Professor Morrow. Only minor revisions were deemed necessary. Data for the study itself will be collected from village primary schools in Erzurum.

3. Assistant Neriman Gorgunay from Ataturk University returned to Ankara for further consultation with reference to her doctoral thesis study.

(d) Docent Dr. Sahinkaya completed and had published, "Nutritional Study of College Students."

2. <u>Other Activities</u>

(a) Regular staff conferences were held to consider and deal with departmental problems.

(b) Work was continued in discussing and revising the Home Economics curriculum. This is to be presented to the Professor's Council in April.

(c) Considerable time was spent in the consideration of details in connection with the new Home Economics Building; and in developing equipment lists for the new building.

(d) A considerable amount of surplus commodities was obtained through the help of Mr. Siglin/AID.

(e) Two special seminars were attended and participated in during the period, namely; Cottonseed Seminar and Nutrition Seminar.

(f) A meeting of nutritionists was held at the Faculty on January 29. An international meeting on nutrition will be held in Ankara in mid-July. This seminar will be conducted under the auspices of the Ministry of Education. Several meetings were held with Dr. Fisek and Dr. Koksal of the Health Center to assist in planning this seminar.

(g) Dr. Assistant Erkut has completed the translation and adaptation of three nutrition bulletins to Turkey. These bulletins are needed by both the Ministry of Agriculture and the Ministry of Education. Thus far, funds for their publication have not been found.

(h) One visit was made to the Deliller village during the period. In addition three conferences in connection with village development program were held.

(i) Professor Morrow and Dr. Assistant Kundak assisted in planning a Home Management course at Ege University. They also made detailed plans to assist and guide staff in setting up a Home Management House at Ege University. The two spent one week at Ege University in introducing the course on Home Management and Dr. Kundak continued the course for the entire month of February.

(j) There were of course innumerable other activities in connection with the work of the Department and the Faculty.

(k) Technical Agricultural Schools Seminars. Three day seminars were held at five Technical Agricultural Schools for the purpose of:

(1) introducing an extension methods course in the curriculum of the schools,
(2) improving teaching skills of Home Economics teachers, and
(3) promoting work in the villages.

The seminars were under the direction of Selma Ogmen, General Director of the Schools. Miss L. Maude Smith, AID Home Economist, and Professor Morrow and Dr. Suat Kundak of the Home Economics Department participated in the seminars. Professor Morrow presented material and led discussions on the following topics: "Identification of Village Problems"; "What to Look for When Visiting Village People"; "Organization for Visit to the Village"; "Evaluation of Village Visit and Identification of Problems Observed"; "Demonstrations - A Teaching Tool"; "How to Report your Work"; and "Final Evaluation of the Seminar". Two and one-half days were spent in discussion of topics, and one-half day in visiting villages in each of the seminars. Professor Morrow was able to visit thirty-one village homes.

(l) A three-day seminar on "Soybeans" was held in Ankara, December 4-6, 1961. Professor Morrow and Dr. Ayse Erkut discussed "Soybeans in the Diet". Products such as white bread, Turkish bread, nut bread, borek and several varieties of cookies were prepared for the meeting.

(m) Professor Morrow was asked to be a member of a small committee to serve as an advisory committee to FAO on Home Economics. She attended the first meeting of this Committee in Rome on November 14-18. Other members were from Germany, the Netherlands and Finland.

(n) Professor Morrow, Dr. Kundak and Dr. Erkut continued to work with the Home Economics section of the Turkish Women's Association.

VI.

The Program At Ataturk University

The University opened as planned on October 9, 1961, with a new class of 159 students of whom 136 were in Agriculture.

For the first time a course in Extension Philosophy, Methods, Materials and Organization was offered. Mr. Allen assisted by Davut Aris of the Ministry of Agriculture spent the first two weeks of the school year at Ataturk University organizing the course and giving the beginning lessons.

Teaching programs in which the Nebraska Group members are involved are discussed later. Although conditions have been far from ideal, the teaching program has proceeded more smoothly and with fewer interruptions than a year ago.

The details of work carried on will be discussed to some extent under "Administrative Comment and Summary". Some other items of possible interest are also included here.

1. The most recent summary of student statistics is as follows:

	1958-59	1959-60	1960-61	1961-62
Number Taking Examinations	165	140	250	445
Number Accepted	119	76	104	159
Faculty of Agriculture	110	64	86	136
Faculty of Letters & Science	9	12	18	24
Approximate Enrollment	120	200	300	460

There are minor discrepancies in the above tabulation. There are now 405 students, including some transfers, enrolled in Agriculture in majors as indicated:

	1st year	2nd year	3rd year	4th year	Total
Agricultural Economics	32	--	25	79	136
Animal Science	30	13	7	36	86
Crop Science	37	--	--	--	37
Soil Science	38	30	32	--	100
General Agriculture	--	46	--	--	46
	137	89	64	115	405

2. Some changes were made in the present University building to improve facilities for handling records, accounting, student registrations, desks for Assistants, etc. The classroom and laboratory facilities continue to be inadequate. However, a good soil science laboratory was arranged in a large room formerly used for storage.

3. Improvements in procedures for student admissions, pre-registration, records and record keeping, and in student schedules and advising were made. However, these were only partially successful, due largely to lack of Assistant briefing and the absence of Committee members during the February vacation period. The 5 weeks interval between semesters is a serious handicap to orderly procedures. During much of this time, Turkish staff essential for proper progress on staffing, programming and organization for the coming semester are not available. Many of the students take extensive tours accompanied by Assistants.

4. There was considerable delay in starting classes at the beginning of the second semester. In the case of some classes, there is likely to be a serious shortage in class hours available for them.

5. Work on the buildings at Ataturk University failed to make satisfactory progress although some progress was made. As far as can be determined the principal handicap to progress in construction is the lack of will on the part of contractors to proceed and the inability of appropriate agencies to induce them to do so.

Ataturk University did take belated steps to provide housing for essential Assistants by renting additional hotel space.

A major effort will be required to obtain the completion of the science laboratory building by the coming school year (1962-63). The completion of this building would provide space for essential laboratories, classroom space, library space and office space for the coming year. Without the completion of at least this building, the operation and development of the University will be severely and unnecessarily handicapped.

6. Under the sponsorship of the Dean of the Faculty of Agriculture an extensive handicraft-vocational rug-weaving project was established. The Nebraska Group was not involved in this.

7. Some of the activities of the Nebraska Group are summarized by departmental areas, as follows:

A. Agricultural Engineering

Since the fall of 1960, Professor Deane G. Carter has carried heavy administrative responsibilities in addition to his work in Agricultural Engineering.

(a) Administrative Activities

(1) The administrative activities of Professor Carter were handicapped during the first part of the period by the lack of effective administration at Ataturk University. The University opened on October 9. Rector Baykal gave the address opening the University formally and departed from Erzurum five days later. He did not return. Rector Hizalan was not appointed until about December 1 and arrived in Erzurum the evening of December 15.

In the interim, Deans Ozel and Ulkumen apparently were left without any clear assignment of responsibility and authority. They did take such action as was necessary to keep the University in operation. At the same time they were unable or unwilling to act on issues of importance or major significance.

It is too early to say with assurance, but the arrival of Rector Eyub Hizalan on December 15 may signify a turn in the affairs of the University. He seems to have approached the many and difficult problems which he inherited with interest, vigor and with a sense of organization.

(2) Professor Carter has devoted much time and effort in attempts to improve admission procedures, curricular and scheduling matters, the accuracy of student records and general organizational matters; and also to seeing that arrangements for teaching scheduled classes are made.

(3) It is due largely to Professor Carter's efforts that the handling of incoming commodity shipments and their clearance has improved so greatly.

(4) Professor Carter has devoted time and effort toward the development and initiation of plans for the proper storage, assignment of, and the effective use of laboratory equipment at Ataturk University; a consummation devoutly to be wished.

(5) Professor Carter has spent considerable time and effort on the housing and building situation.

(b) Department Activities, Agricultural Engineering

Professor Carter has a total of 8 assistants of whom 5 are currently at Ataturk University, 2 are in the Army, and 1 is studying in Austria.

(1) Teaching. Directing the instruction of 120 students in 2 sections of Agricultural Engineering I, a 2 credit course during First Semester. This was done through Assistants Ozdengiz, Ertugrul, Kushan and Sisman. Two classes of approximately 95 and 100 students, respectively, are in progress during the second semester.

(2) Planning Assistance, was provided for the construction of a sheep shed, a plastic greenhouse and a utility storage building; and for remodeling a poultry house.

(3) Irrigation Course. An outline for a course in irrigation for the second semester was prepared.

(4) Research. Research for three doctoral theses is in progress or under development. The problems are Power Use and Requirements, with Dynanometer Studies (Battal Kushan); Methods and Materials for Low-Cost Construction, with Emphasis on Self-Help (Ziya Alkan); and A Study of Village Buildings in Eastern Turkey (Nevzat Sisman).

(5) Staff Development. Graduate programs for three Assistants were referred to above. Dr. Ali Ozdengiz is taking considerable responsibility. It is probable that at least one Assistant will be ready to go to the United States by August, 1963.

B. Agricultural Economics

(a) Teaching Activities

As usual, Professor Leo J. Fenske has had heavy instruction responsibilities. He is directing the program through Assistants as follows:

(1) Marketing (two sections), Kutlu Zoral - 103 students.
(2) Land Economics, Turgut Hatunoglu - 103 students.
(3) Farm Management, Ergun Kip - 45 students.
(4) Money and Banking, Abdulbaki Pirimoglu - 25 students.
(5) General Economics, Osman Arikan - 90 students.
(6) Agricultural Policy, Ibrahim Aksoz.

Six courses were offered during the first and also during the second semester. The Assistants in Agricultural Economics generally are young, lacking in advanced education and in experience. Several of the fourth year students show excellent promise and it is hoped that some of them may be employed as Assistants following graduation.

(b) Research Activities

Two research projects are underway; one on farm mechanization and one on the economics of sugar beet production in the area. A project on the study of Agricultural credit cooperatives is being planned. Assistant Turkdogan has completed his thesis on the Molikan Villages in the Kars area. One field trip with Assistant Kip was made to investigate the possibilities of sugar beet production research in the Erzincan area.

(c) Staff Development

(1) Professor Fenske devoted much time to working with Assistants on graduate programs. Orhan Turkdogan should be able to take his examination for his doctorate during the second semester.

(2) Kutlu Zoral and Turgut Hatunoglu departed for the United States in January as participants.

(3) Osman Arikan returned to the University on November 15. A program for his doctorate must be developed within the near future.

(4) Ergun Kip has selected his thesis problem and expected to work on it during the second semester.

(5) More Assistants in Economics and Agricultural Economics are needed. Some of the top-ranking men in fourth year Agricultural Economics have indicated an interest in becoming Assistants. These are residents of Eastern Turkey and should make valuable contributions to Ataturk University in the future.

C. Animal Science

This department under Professor Alexander's guidance carries on a considerable program with a total of 8 assistants.

1. Teaching. There were four classes with a total of about 230 students during the first semester and six classes during the second semester.

2. Research.

(a) Steers grazed during the summer were removed from pasture and placed on feeding trials; continuing work previously reported.

(b) A trial involving the use of urea as a source of N for wintering calves was begun.

(c) A trial involving the feeding value of native grass hay cut at three stages of maturity.

(d) Progeny testing fine-wool rams.

(e) The effect of protein supplementation for milking cows before and after calving.

(f) A comparison of different types of hives for honey production.

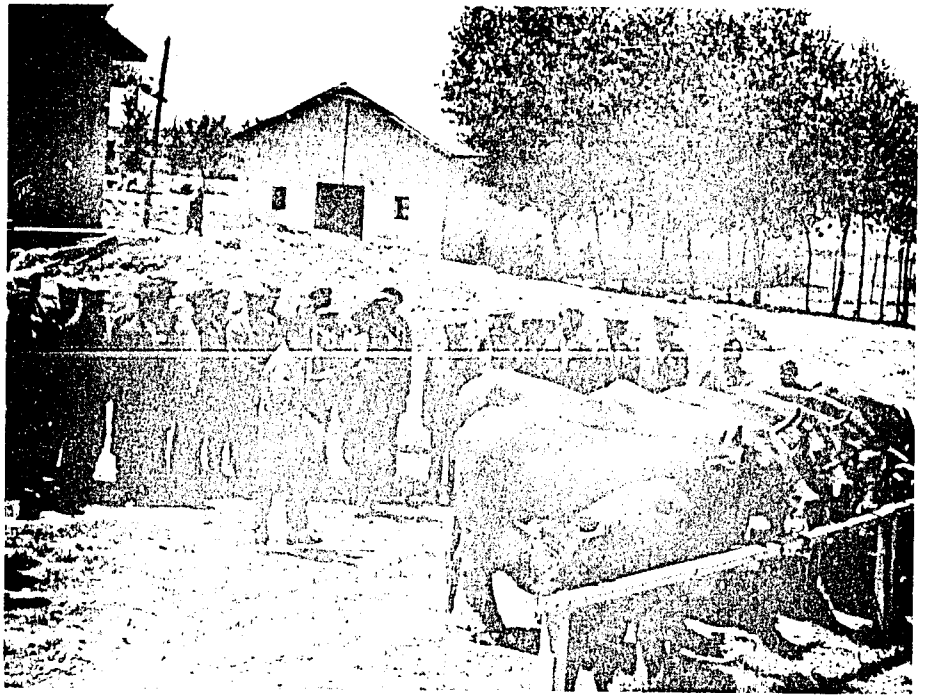
(g) A study of different kinds of bees and their production in selected areas in Eastern Turkey.

(h) A study to determine the percentage calf crop obtained in villages near Erzurum.

3. Extension. Plans are underway for short courses during a week within the near future.

4. Staff Development

(a) It is hoped that three Doctor Assistants may become eligible for promotion during this calendar year. These are Turgut Goksu, Kemal Biyikoglu and Saban Karatas.



Ataturk University's foundation herd of Brown Swiss cattle commanded considerable interest among the farmers attending the field day July 12, 1961. Dr. Turgut Göksu, Assistant in the Department of Animal Husbandry (standing behind the cattle) explained the research projects being carried on with these and other cattle at the University.

Sweet corn, a new crop for the Erzurum area, is being extensively tested at the farm. Prof. Ernest Wheeler, crops specialist on the University of Nebraska staff at Ataturk University, and assistant Sabahattin Şenol, University Assistant and for ICA participant, told about the fertilizer, planting date, and variety tests being conducted.

(b) Dr. Saip Tellioglu is now attending Georgetown language school. It is hoped that he may go to the United States as a participant in August 1962.

(c) Drs. Macit Ozhan and Ferit Ucarci are working on research problems designed to provide the basis for Docents theses.

(d) Assistant Haluk Ipek is working on his doctoral problem.

(e) One other Assistant, Fuat Balci, is interested in Apiculture. An additional assistant was obtained during the period.

5. Other Activities. With the cooperation of staff from other universities, plans for the development of an organization of Animal Production Workers similar to the Society of Animal Science in the United States have been developed.

6. Buildings

(a) Sheep Shed. An open type sheep shed to house about 200 ewes has been completed at Research Headquarters. This is a modern and practical structure. It will be used as a machine shed after sheep buildings are completed at a different location. A sheep barn of the same general design as the cattle production barn has the foundation and the floors completed.

(b) Poultry Housing. Two poultry houses have been modernized. Two or more buildings for poultry housing will be started in 1962.

(c) Dairy Technology Building. A brick structure has been started to house certain dairy manufacturing activities.

(d) Dairy Barn. A dairy barn unit, open sheds, milking unit and milk house, is projected for construction in 1962. It will be attached to the Dairy Technology Building.

(e) Cattle Production Barn. A cattle production barn with open sheds attached to each end of a main two-story barn is about one-third completed.

(f) Horse Barn. The construction of an open-shed type of structure is planned.

D. Biological Sciences

In addition to his responsibilities in Botany, Professor John M. Winter, is Advisor in Letters and Science. He also is a member of the University Library Committee, and has been providing excellent counsel in this area. His departmental activities are briefly as follows:

1. Teaching.

Professor Winter is directing the teaching of Botany with Dr. Ali Istar (from Crop Science), and Assistant Mehmet Oner who arrived approximately six weeks after the opening of the school year.

Seventy students were enrolled in Botany for both semesters. Emphasis is being placed on laboratory work and the quality of such work has improved greatly. Assistant Mehmet Oner assists with the work and is developing well. There are two lecture periods per week. The laboratory work is given to three sections as equipment and space do not permit more than 25 students in each laboratory section.

2. Research. Work on the collection and identification of plant specimens and the establishment of a working herbarium continues.

3. Staff Development

(1) Assistants, some with doctorates are needed badly. In fact, strenuous efforts should be made to attract docents.

(2) It is hoped that the idea of an area development in biological sciences may be grasped by the authorities at Ataturk University and strong impetus to its development given.

(3) During the period, Assistant Oner completed his doctoral work with Professor Winter serving on his thesis committee and as major professor on his exam committee.

E. Plant Science

Professor Wheeler directs an extensive program in Plant Science.

1. Teaching. Approximately 130 students were enrolled in Plant Science I in the first semester and continued with Plant Science II in the second semester. A course in Pasture and Range Management also is given in the second semester. Bulletins for courses in Industrial Crops, General Horticulture and General Entomology are being prepared for next year.

2. Research

(1) Experimental plots were harvested and the data summarized and recorded.

(2) A stubble mulch plot with winter wheat was seeded.

(3) Conferences were held on the pasture experiment in cooperation with Animal Science and Soil Science. Plans were developed, fencing materials located, and priorities for construction set up.

(4) A plastic greenhouse was constructed. Assistants from Plant Science and Agricultural Engineering supervised the construction. The greenhouse is in use and is proving to be a useful help in research activities. A cold frame was constructed at the same time.

(5) Approximately 50 acres were prepared for seeding grasses and legumes to provide increase of these seeds.

The alfalfa variety plot was seeded in November.

Seventy-seven varieties of winter oats from the Eskesehir Station were seeded in October. Their winter hardiness at Erzurum will be determined.

A small acreage of the organic soil on Ataturk University Farm was prepared by field cultivating to control weeds and grasses in preparation for testing the adaptation of varieties of vegetables and crops for this type of soil.

(6) Wire for fencing the experimental pasture areas was purchased and delivered. Posts were purchased. Grass and legume seed harvested in 1961 was recleaned. The 1962 seed crop will be required to complete the seeding in 1963.

(7) All project outlines were reviewed and brought up-to-date. New projects were organized and evaluated from the standpoint of equipment and material needs. Data from past work was prepared for publication and, where applicable, results are included in class work.

(8) Verbal agreements have been reached on the use of an irrigation well for work by both the Plant Science and Soil Science departments.

3. Staff Development. Additional assistants are needed. However, the Department has two assistants with doctorates, one from the University of Nebraska. Both of these men have the capacity and the willingness to assume responsibility. Assistant Senol is making good progress on his doctoral work. The assistant in entomology also works with this department. He has his doctorate. It is possible that two assistants will become docents during this calendar year.

F. English

In addition to her duties as secretary, Miss Ames has conducted English seminars for Assistants during the current school year. During this semester, the assistants have been divided into 3 groups with one group meeting for four hours per week and the other two for three hours each.

G. Soils Science

Due to the death of Professor Harper, the development of Soils Science has been handicapped. Docent Dr. Abdusselam Ergene has carried on the immediate work of the department very well.

It is hoped that a replacement for Professor Harper may be found soon and that a vigorous program of teaching, research and staff development may ensue.

H. Library

The University Library Committee with Professor Winter as a member has already been referred to. This Committee is concerned with space and equipment needs of the library, personnel needs, procedures for maintaining liaison between the Faculties and the Library, and between the library and the Rector, sound acquisition procedures and with operational procedures.

Assuming necessary developments at Ataturk University, it is planned to return Professor Vennix to Ataturk University about July 1 in order to further developments in this area.

I. Extension

As already noted, the first course in Extension Philosophy, Methods, Materials and Organization was offered during the current semester.

It is not now planned to develop a teaching department in Extension. It is hoped to organize soon an Agricultural Extension Institute headed by a Director to work with the Ministry of Agriculture in its extension program.

It is planned to bring an Extension Specialist to Ataturk University at some time in the future. It is hoped to have subject matter specialist in the various departments with some interest in Extension, to work with the Director in developing a realistic plan for Extension Activities at Ataturk University. One such prospective person was appointed in Animal Science during the period.